

Tom Santo

SUSPENSION SLATE FRAME

curved shape
allows for flex
of entire frame

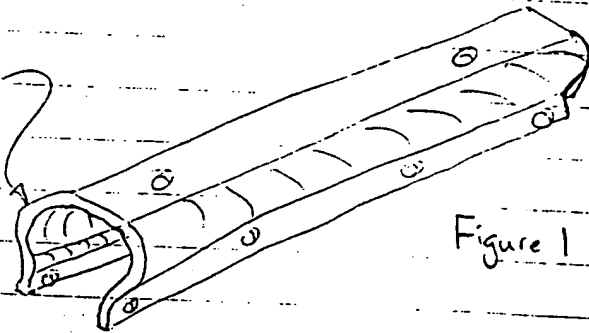
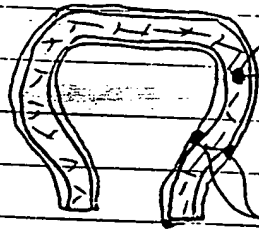


Figure 1

FOAM CORE



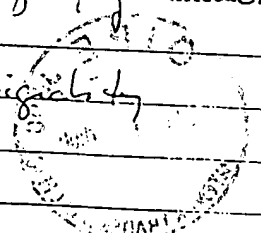
Foam core would reduce weight but may be stiff
without core/shear layer
may provide some dampening

glass/carbon

Figure 2

Max Load Applied By Skater = 600 lb (Tony T. jumping off loading dock)

Fiber Orientation: Binded for torsional rigidity



Tom Santa

2

COMPOSITE FRAME IN TITANIUM

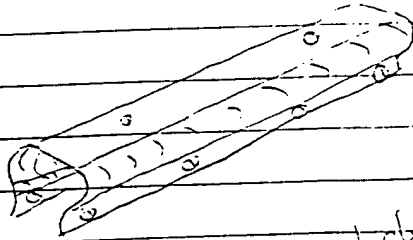
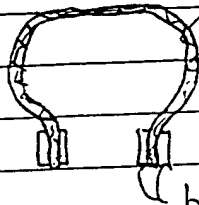


Figure 3

↓
DISTANCE
↑



formed sheet
Titanium

Figure 4

back up material to get
proper thickness for wheel/spacer/fast
spacing



VARIATION ON COMPLIANT FRAME

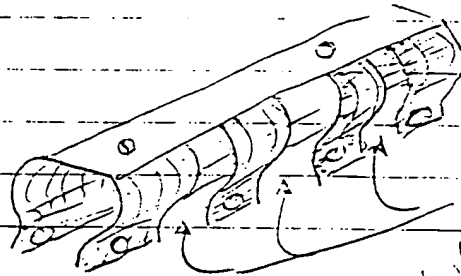


Figure 5

cut out between wheels to allow independent suspension of wheels.

↓
suspension

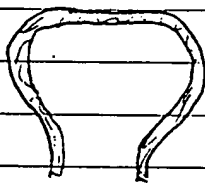


Figure 6

WITNESS: I HAVE READ AND UNDERSTAND
THE CONCEPTS HERE AND ON
PAGES 1 & 2.

ALL
DREWAKRAH

